

USH 41: STH 125 TO USH 10 (WINNEBAGO AND OUTAGAMIE COUNTIES) CONTINUOUS (24 HOUR) 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY SOUTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR						AVERAGE SPEEDS IN MPH				
	MAIN ROUTE		SITE CAPA CITY	FLOW		AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE	
	DEMAND FLOW	PCT HEAVY		MAIN ROUTE	'DIVER TED'			WITHOUT WORK ZONE	WITH WORK ZONE		
MID-1 AM	408	0.0	1500	408	0	0.52	0	70.2	58.6	43.8	
1-2 AM	237	0.0	1500	237	0	0.50	0	70.2	59.0	44.5	
2-3 AM	229	0.0	1500	229	0	0.50	0	70.2	59.1	44.6	
3-4 AM	222	0.0	1500	222	0	0.50	0	70.2	59.1	44.6	
4-5 AM	400	0.0	1500	400	0	0.52	0	70.2	58.6	43.9	
5-6 AM	1117	0.0	1499	1117	0	0.71	0	69.4	54.8	38.5	
6-7 AM	2025	0.0	1499	2025	0	6.65	205	68.2	19.8	30.8	
7-8 AM	2944	0.0	1500	1463	1481	16.08+	397	67.1	9.9	32.7	
8-9 AM	2232	0.0	1499	1470	762	16.21+	397	67.9	9.8	31.1	
9-10 AM	2129	0.0	1500	1500	629	16.35+	400	68.1	9.7	30.8	
10-11 AM	2411	0.0	1500	1500	911	16.33+	400	67.8	9.7	30.8	
11AM-NOON	2784	0.0	1500	1500	1284	16.31+	400	67.3	9.7	30.8	
NOON-1PM	3043	0.0	1500	1500	1543	16.30+	400	66.9	9.7	30.8	
1-2 PM	3463	0.0	1500	1500	1963	16.28+	400	66.4	9.7	30.8	
2-3 PM	3539	0.0	1500	1500	2039	16.27+	400	66.3	9.7	30.8	
3-4 PM	3646	0.0	1500	1500	2146	16.26+	400	66.0	9.7	30.8	
4-5 PM	3915	0.0	1500	1500	2415	16.18+	400	64.1	9.7	30.8	
5-6 PM	3471	0.0	1500	1500	1971	16.28+	400	66.4	9.7	30.8	
6-7 PM	2511	0.0	1500	1500	1011	16.33+	400	67.6	9.7	30.8	
7-8 PM	1863	0.0	1499	1469	395	16.24+	396	68.4	9.8	30.8	
8-9 PM	1771	0.0	1499	1496	274	16.35+	399	68.6	9.7	30.8	
9-10 PM	1531	0.0	1499	1452	79	16.07+	392	68.8	9.9	30.8	
10-11 PM	1070	0.0	1499	1070	0	5.47	189	69.4	22.8	36.0	
11PM-MID	654	0.0	1500	654	0	0.55	0	69.9	57.9	42.9	

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0
(VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

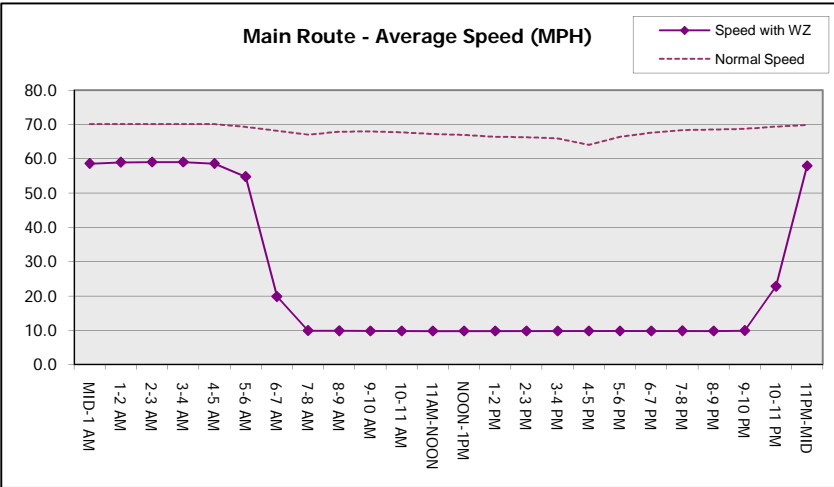
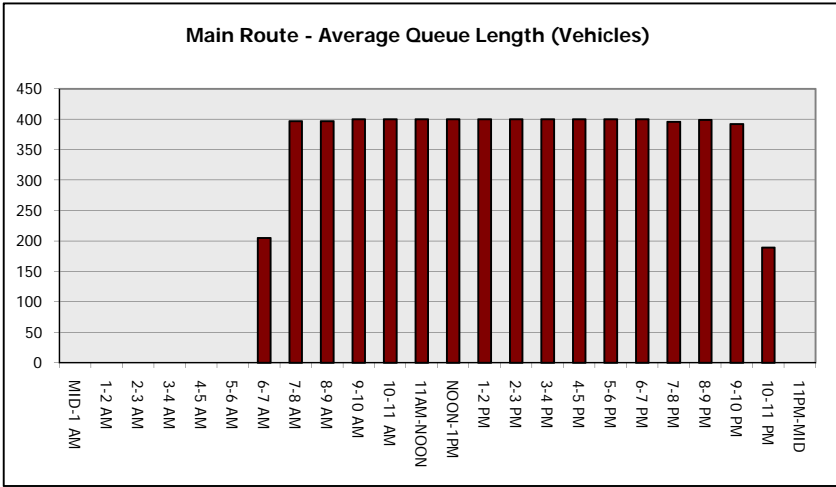
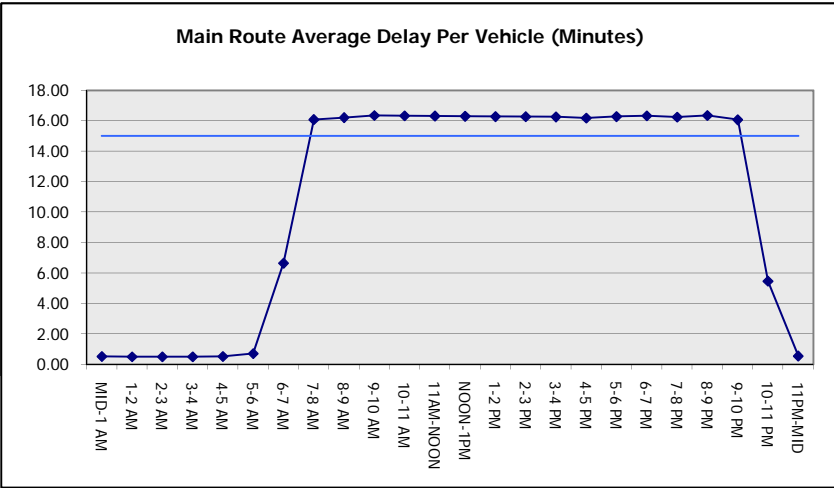
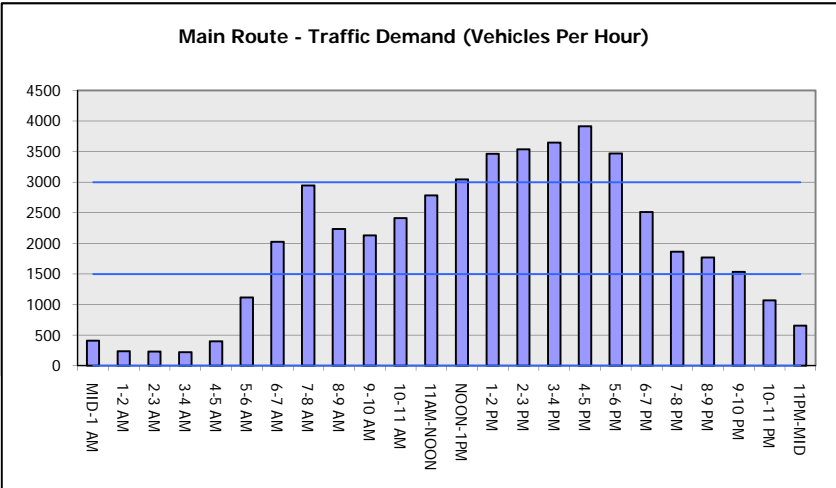
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0235
MAIN ROUTE WITH WORKS	0.0123
'DIVERSION'	0.0216
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$156,030
CONGESTED HOURS PER DAY*	15

*Delays Exceeding User-Specified Maximum

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AUGUST
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY NORTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH		
	MAIN ROUTE		SITE CAPA CITY	FLOW		AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE
	DEMAND FLOW	PCT HEAVY		MAIN ROUTE	'DIVER TED'			WITHOUT WORK ZONE	WITH WORK ZONE	
MID-1 AM	331	0.0	1500	331	0	0.51	0	70.2	58.8	44.2
1-2 AM	239	0.0	1500	239	0	0.50	0	70.2	59.0	44.5
2-3 AM	210	0.0	1500	210	0	0.50	0	70.2	59.1	44.6
3-4 AM	211	0.0	1500	211	0	0.50	0	70.2	59.1	44.6
4-5 AM	477	0.0	1500	477	0	0.53	0	70.1	58.4	43.6
5-6 AM	906	0.0	1499	906	0	0.58	0	69.6	57.3	42.0
6-7 AM	1815	0.0	1499	1815	0	3.40	93	68.5	30.4	30.8
7-8 AM	2944	0.0	1499	1500	1444	16.23+	399	67.1	9.8	32.0
8-9 AM	2450	0.0	1500	1500	950	16.25+	400	67.7	9.8	32.0
9-10 AM	2427	0.0	1500	1500	927	16.25+	400	67.7	9.8	32.0
10-11 AM	2817	0.0	1500	1500	1317	16.23+	400	67.3	9.8	32.0
11AM-NOON	3012	0.0	1500	1500	1512	16.22+	400	67.0	9.8	32.0
NOON-1PM	3196	0.0	1500	1500	1696	16.21+	400	66.8	9.8	32.0
1-2 PM	3249	0.0	1500	1500	1749	16.21+	400	66.7	9.8	32.0
2-3 PM	3531	0.0	1500	1500	2031	16.20+	400	66.3	9.8	32.0
3-4 PM	3751	0.0	1500	1500	2251	16.15+	400	65.2	9.8	32.0
4-5 PM	4083	0.0	1500	1500	2583	16.04+	400	63.0	9.8	32.0
5-6 PM	3597	0.0	1500	1500	2097	16.19+	400	66.3	9.8	32.0
6-7 PM	2938	0.0	1500	1500	1438	16.23+	400	67.1	9.8	32.0
7-8 PM	2220	0.0	1500	1555	665	16.07+	394	68.0	9.9	31.4
8-9 PM	1539	0.0	1500	1475	64	15.64+	381	68.8	10.1	30.8
9-10 PM	1213	0.0	1499	1213	0	8.49	219	69.2	16.6	32.6
10-11 PM	978	0.0	1500	978	0	0.69	3	69.5	55.3	41.7
11PM-MID	665	0.0	1500	665	0	0.55	0	69.9	57.9	42.9

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0241
MAIN ROUTE WITH WORKS	0.0120
'DIVERSION'	0.0237

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$156,469
CONGESTED HOURS PER DAY*	14

*Delays Exceeding User-Specified Maximum

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